



ATTORNEY DOCKET NO: 22112(3)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cowan <i>et al.</i>	Art Unit: 1616
Serial No: 10/020,799	Examiner: Pryor, Alton N.
Filed: 11/30/2001	
For: Method for Stabilizing Biomolecules in Liquid Formulations	

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AMENDMENT AND RESPONSE UNDER 37 CFR § 111.1

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**I. AMENDMENTS**

In response to the Official Action dated August 22, 2002, please amend the specification and claims as indicated below.

**A. New Claims**

Please add the following new claim.

22. A stable formulation of a biologically active protein useful for aerosol delivery to the respiratory tract of a patient in need of treatment comprising:

- (a) a carrier liquid consisting essentially of from about 10% to from about 100% V/V water and from about 0% to from about 90% V/V of an organic liquid;
- (b) a biologically effective amount of a protein suspended or dissolved in said carrier liquid; and
- (c) a stabilizing effective amount of a derivatized carbohydrate stabilizing agent suspended or dissolved in said carrier liquid;

wherein said derivatized carbohydrate comprises a sugar moiety selected from the group consisting of trehalose, sucrose, glucose, maltose, and galactose modified by the

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